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REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703) 827-5260

STATISTICAL

No. 72-91 July 3, 1991

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – APRIL 1991

(Values in Millions of U.S. Dollars)

	Apr. 1991	Mar. 1991	Average Jan.-Mar.	Year to Date '91	Year to Date '90	% Change YTD '90-'91
METAL CUTTING MACHINE TOOLS						
Exports	$ 54.2	$ 45.7	$ 49.1	$201.6	$216.8	(7.0%)
Imports	$179.5	$133.1	$127.3	$561.4	$580.7	(3.3%)
Balance	($125.3)	($ 87.4)	($ 78.2)	($359.8)	($363.9)	(1.1%)
METAL FORMING MACHINE TOOLS						
Exports	$ 38.6	$ 36.1	$ 34.3	$141.4	$158.2	(10.6%)
Imports	$ 83.9	$ 43.9	$ 45.0	$218.8	$152.1	43.9%
Balance	$ 45.3	($ 7.8)	($ 10.7)	($ 77.4)	$ 6.1	NM
MACHINE TOOL TOTAL						
Exports	$ 92.8	$ 81.8	$ 83.4	$343.1	$375.0	(8.5%)
Imports	$263.4	$177.0	$172.3	$780.2	$732.9	6.5%
Balance	($170.6)	($ 95.2)	($ 88.9)	($437.1)	($357.9)	22.1%
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 31.5	$ 28.6	$ 27.6	$114.3	$128.7	(11.2%)
Imports	$129.4	$ 96.1	$ 89.9	$399.1	$407.7	(2.1%)
Balance	($ 97.9)	($ 67.5)	($ 62.3)	($284.8)	($279.0)	2.1%
OTHER MANUFACTURING TECHNOLOGY						
Exports	$136.7	$139.1	$135.0	$541.7	$598.0	(9.4%)
Imports	$181.3	$182.7	$169.9	$691.0	$687.3	0.1%
Balance	($ 44.6)	($ 43.6)	($ 34.9)	($149.3)	($ 89.3)	67.2%

Note: Numerically controlled machine tools is a subgroup of the machine tool total. NM = not meaningful; ( ) denotes negative. Individual items may not add up to totals due to rounding.

• U.S. machine tool imports in April totalled $263.4 million, the highest monthly total ever. The previous high: $253.9 million in August 1990. Year-to-date imports are up 6% over 1990.

• U.S. machine tool exports rose 13.4% in April from March to $92.8 million, the highest level since March 1990. Year-to-date exports are down 9% over last year.

• Exports of NC machines so far in 1991 are down 11% over last year; imports are down 2%.

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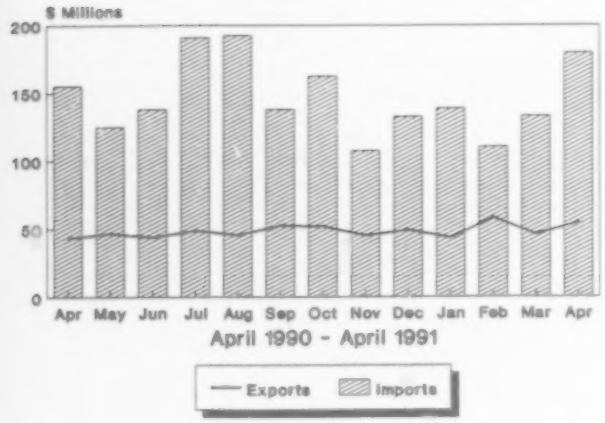
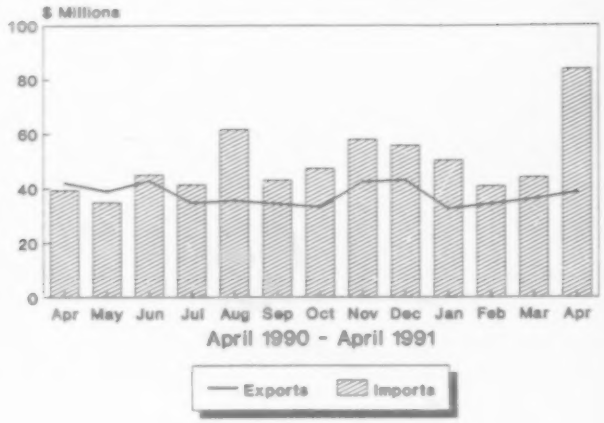
U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

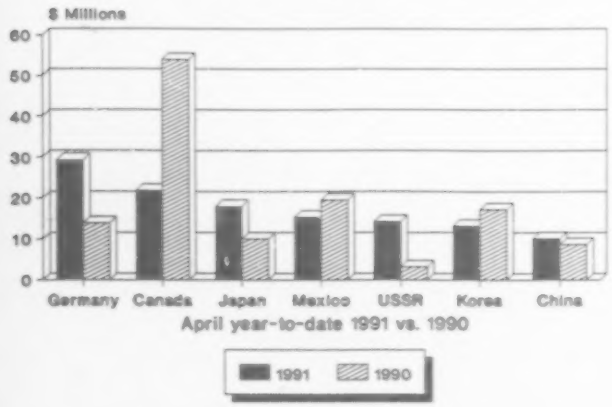
Exports

• Exports of metal cutting machines in April rose to $54.2 million, up from $45.7 million in March. Exports of grinding machines rose to $11.5 million from $8.4 million in March; exports of milling machines were $6.7 million, up from $1.6 million in March.

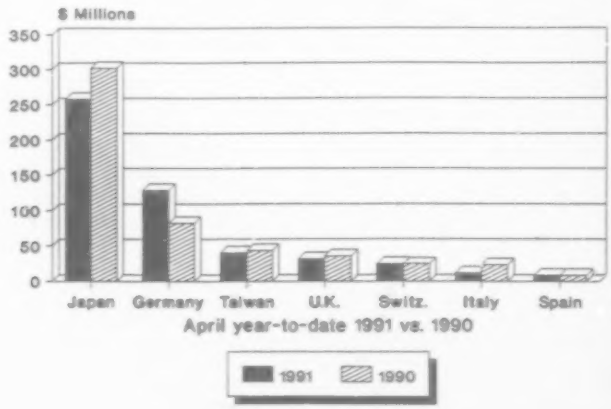
• Year-to-date exports of many major product groups were down from last year, including boring machines (down 22% in value terms), grinding machines (down 26%) and machining centers (down 29%). However, exports of gear cutting machines were up 64% and exports of drilling machines were up 24%.

• Canada was the largest export market in April at $6.6 million, for a year-to-date total of $21.9 million -- down 59% from last year. Germany remained the top year-to-date export market at $29.3 million, up 112% over 1990.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

• Imports of metal cutting machines in April rose to $179.5 million from $133.1 million in March. A major reason: 13 machining centers from Germany valued at $37.0 million.

• Year-to-date imports ($561.4 million) were down 3% from last year. Imports of NC horizontal lathes ($97.2 million) were down 11%; imports of grinding machines ($87.8 million) were up marginally.

• Imports from Japan reached $258.0 million so far in 1991, down 15% from last year. Imports from Germany ($128.7 million) were up 57%; imports from Taiwan and the United Kingdom ($40.4 million and $31.8 million) were down 6% and 11%, respectively.

METAL FORMING MACHINE TOOLS

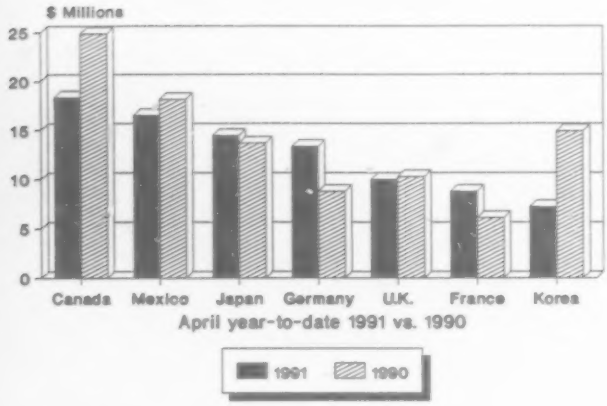
Exports

• Exports of metal forming machines rose for the third straight month, reaching $38.6 million in April. Year-to-date exports of $141.4 million were down 11% from 1990.

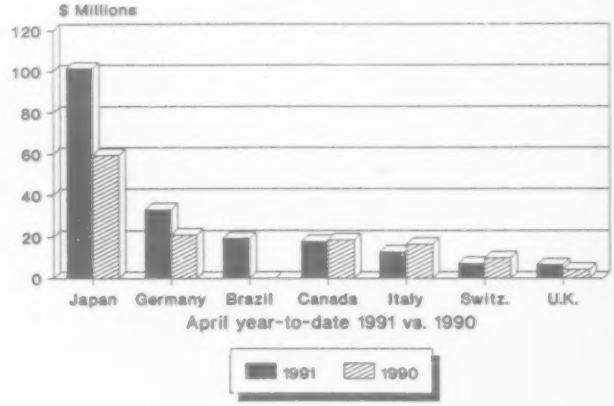
• France was the top export market in April at $6.6 million, followed by Mexico and the United Kingdom. Top year-to-date markets include Canada ($18.4 million, down 26% from last year), Mexico ($16.5 million, down 9%) and Japan ($14.5 million, up 6%).

• Exports so far in 1991 of punching and shearing machines were down 19%; exports of bending and forming machines were up 10%.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

• Imports of metal forming machines jumped to $83.9 million in April, up from an average of $45.0 million for the previous three months. April's total was second all-time to the $90.8 million recorded in August 1986.

• Imports in April included three non-NC mechanical transfer presses (two from Brazil, one from Japan) valued collectively at $37.4 million. Year-to-date imports of presses ($85.7 million, 637 units) were up 252% in value terms but down 33% in unit terms.

• Major import sources in 1991 through April include Japan ($101.5 million, up 71% over last year), Germany ($33.2 million, up 59%), Brazil ($19.2 million, up from zero last year at this time), and Canada ($17.8 million, down 5%).

OTHER MANUFACTURING TECHNOLOGY

Exports

• Exports of other manufacturing technology totalled $136.7 million in April, up slightly from the average for the first three months of 1991. Year-to-date exports of machine tool parts and accessories were $221.5 million, down from $244.2 million last year.

• Exports of injection molding machines reached 196 units and $20.0 million in 1991 through April. Comparable figures for 1990: 182 units and $19.7 million. Exports of industrial robots reached $22.4 million so far in 1991, down from $23.9 million in 1990 at this time.

Imports

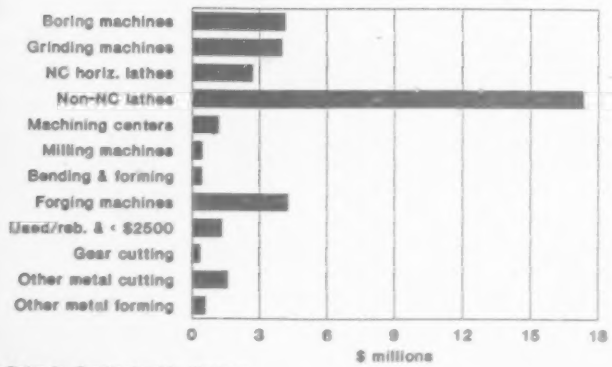
• Year-to-date imports of other manufacturing technology were up fractionally from last year to $691.0 million. Included were machine tool parts and accessories valued at $185.4 million, down from $193.3 million last year.

• Imports of numerical controls so far in 1991 were 2,610 units valued at $12.0 million. The comparable figure for 1990: 5,861 units valued at $15.9 million. Imports of blow molding machines in April were $5.8 million for a year-to-date total of $16.4 million, up from $13.7 million last year.

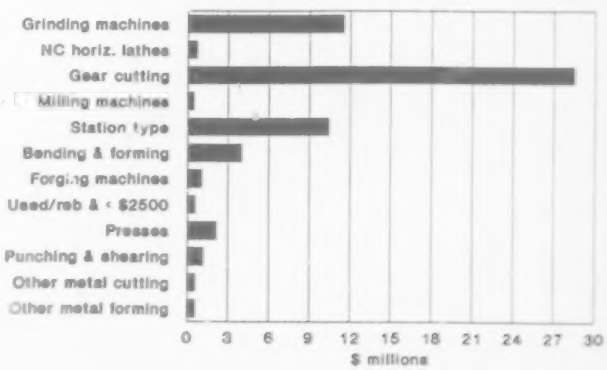
MONTHLY FOCUS

From january 1989 through April 1991, U.S. machine tool exports to Eastern Europe (Bulgaria, Czechoslovakia, Hungary, Poland, Romania, the Soviet Union, and Yugoslavia) totalled $61.4 million, far higher than U.S. imports from these countries of $38.3 million. During this period, 77% of the imports came from two countries -- Yugoslavia ($18.0 million) and Poland ($11.5 million) -- followed by Hungary ($4.5 million) and Czechoslovakia ($3.3 million). Imports from the Soviet Union totalled just $0.9 million. Conversely, the Soviet Union accounted for 73% ($44.8 million) of U.S. machine tool exports to Eastern Europe since January 1989, followed by Poland ($7.1 million, 12%), Hungary ($4.9 million, 8%) and Yugoslavia ($2.8 million, 5%). U.S. imports from Eastern Europe have been dominated by non-NC lathes, while gear cutting machines, grinding machines and station type machines have paced exports.

U.S. Machine Tool Imports From Eastern Europe•, Jan. 1989-April 1991



U.S. Machine Tool Exports To Eastern Europe•, Jan. 1989-April 1991



• = Bulgaria, Czechoslovakia, Hungary, Poland, Romania, Soviet Union, and Yugoslavia

1991 EXPORTS

METAL CUTTING

COUNTRY	APRIL	MARCH	% CHANGE	APR YTD'91	APR YTD'90	% CHANGE
Germany	$3,749,927	$6,535,385	-42.6%	$29,297,824	$13,840,840	111.7%
Canada	6,628,334	5,169,017	28.2	21,885,379	53,997,609	-59.5
Japan	5,338,128	4,762,767	12.1	17,937,900	10,019,495	79.0
Mexico	4,156,659	5,000,595	-16.9	15,275,653	19,420,837	-21.3
USSR	2,799,932	39,000	7,079.3	14,234,533	3,207,507	343.8
Korea	4,801,299	3,226,403	48.8	13,207,383	17,191,356	-23.2
China	2,460,381	4,301,571	-42.8	10,122,474	8,603,309	17.7
United Kingdom	2,170,675	2,079,799	4.4	8,678,056	21,964,593	-60.5
France	2,607,023	726,385	258.9	7,250,681	4,006,122	81.0
Italy	607,256	54,072	1,023.1	6,102,318	5,809,793	5.0
India	1,683,009	648,123	159.7	5,644,569	8,340,197	-32.3
Belgium	1,774,931	428,857	313.9	4,835,882	9,609,173	-49.7
Venezuela	1,291,276	1,504,285	-14.2	4,211,239	2,316,555	81.8
Brazil	1,418,759	976,273	45.3	3,893,886	6,580,237	-40.8
Taiwan	432,565	2,043,602	-78.8	3,179,274	2,967,842	7.1
Netherlands	602,068	371,804	61.9	2,796,608	1,282,992	118.0
Switzerland	175,851	329,406	-46.6	2,176,650	2,057,250	5.8
Singapore	363,765	595,227	-38.9	1,994,362	1,933,353	3.2
Australia	156,199	639,136	-75.6	1,901,671	7,744,072	-75.4
Thailand	594,045	36,239	1,539.2	1,046,375	1,033,635	1.2
Malaysia	631,727	27,794	2,172.9	702,528	436,794	60.8
Spain	80,827	217,355	-62.8	546,354	1,585,827	-65.5
Austria	20,118	418,513	-95.2	467,486	125,034	273.9
Indonesia	25,626	7,354	248.5	81,705	115,636	-29.3

METAL FORMING

COUNTRY	APRIL	MARCH	% CHANGE	APR YTD'91	APR YTD'90	% CHANGE
Canada	$3,262,558	$6,425,775	-49.2%	$18,365,508	$24,887,706	-26.2%
Mexico	3,866,382	4,794,606	-19.4	16,513,439	18,144,595	-9.0
Japan	1,547,174	4,366,654	-64.6	14,474,022	13,684,162	5.8
Germany	3,201,711	1,199,684	166.9	13,362,142	8,773,483	52.3
United Kingdom	3,377,446	2,464,820	37.0	10,008,757	10,304,647	-2.9
France	6,560,321	1,037,362	532.4	8,786,417	6,103,510	44.0
Korea	1,161,672	4,147,350	-72.0	7,218,658	14,900,186	-51.6
China	1,327,070	77,850	1,604.6	5,176,449	6,893,118	-24.9
Netherlands	2,516,223	1,068,955	135.4	5,037,394	2,769,475	81.9
Taiwan	1,343,620	1,058,035	27.0	3,607,541	7,472,391	-51.7
Singapore	613,801	1,141,403	-46.2	2,602,039	2,237,956	16.3
Brazil	293,804	1,225,025	-76.0	2,524,038	1,658,435	52.2
Italy	241,660	531,138	-54.5	2,393,065	3,392,787	-29.5
Indonesia	1,536,777	50,000	2,973.6	1,945,337	31,164	6,142.3
Thailand	281,051	690,799	-59.3	1,889,281	476,507	296.5
Australia	338,178	445,684	-24.1	1,130,687	2,650,432	-57.3
Switzerland	435,529	215,852	101.8	1,044,616	972,693	7.4
Malaysia	13,473	4,800	180.7	651,562	1,607,641	-59.5
India	120,279	37,146	223.8	649,306	4,953,256	-86.9
Belgium	457,632	27,480	1,565.3	610,398	1,456,261	-58.1
Spain	186,714	191,226	-2.4	537,927	1,289,811	-58.3
Venezuela	184,131	178,234	3.3	534,720	327,954	63.0
Austria	104,055	0	NA	187,657	779,026	-75.9
USSR	0	0	NA	0	0	NA

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	APRIL	MARCH	% CHANGE	APR YTD'91	APR YTD'90	% CHANGE
Germany	$6,951,638	$7,735,069	-10.1%	$42,659,966	$22,614,323	88.6%
Canada	9,890,892	11,594,792	-14.7	40,250,887	78,885,315	-49.0
Japan	6,885,302	9,129,421	-24.6	32,411,922	23,703,657	36.7
Mexico	8,023,041	9,795,201	-18.1	31,789,092	37,565,432	-15.4
Korea	5,962,971	7,373,753	-19.1	20,426,041	32,091,542	-36.4
United Kingdom	5,548,121	4,544,619	22.1	18,686,813	32,269,240	-42.1
France	9,167,344	1,763,747	419.8	16,037,098	10,109,632	58.6
China	3,787,451	4,379,421	-13.5	15,298,923	15,496,427	-1.3
USSR	2,799,932	39,000	7,079.3	14,234,533	3,207,507	343.8
Italy	848,916	585,210	45.1	8,495,383	9,202,580	-7.7
Netherlands	3,118,291	1,440,759	116.4	7,834,002	4,052,467	93.3
Taiwan	1,776,185	3,101,637	-42.7	6,786,815	10,440,233	-35.0
Brazil	1,712,563	2,201,298	-22.2	6,417,924	8,238,672	-22.1
India	1,803,288	685,269	163.2	6,293,875	13,293,453	-52.7
Belgium	2,232,563	456,337	389.2	5,446,280	11,065,434	-50.8
Venezuela	1,475,407	1,682,519	-12.3	4,745,959	2,644,509	79.5
Singapore	977,566	1,736,630	-43.7	4,596,401	4,171,309	10.2
Switzerland	611,380	545,258	12.1	3,221,266	3,029,943	6.3
Australia	494,377	1,084,820	-54.4	3,032,358	10,394,504	-70.8
Thailand	875,096	727,038	20.4	2,935,656	1,510,142	94.4
Indonesia	1,562,403	57,354	2,624.1	2,027,042	146,800	1,280.8
Malaysia	645,200	32,594	1,879.5	1,354,090	2,044,435	-33.8
Spain	267,541	408,581	-34.5	1,084,281	2,875,638	-62.3
Austria	124,173	418,513	-70.3	655,143	904,060	-27.5

1991 IMPORTS

METAL CUTTING

COUNTRY	APRIL	MARCH	% CHANGE	APR YTD'91	APR YTD'90	% CHANGE
Japan	$63,755,298	$72,546,463	-12.1%	$257,965,547	$301,849,513	-14.5%
Germany	66,588,829	23,034,113	189.1	128,748,405	81,847,040	57.3
Taiwan	9,993,711	6,732,173	48.4	40,446,526	42,980,509	-5.9
United Kingdom	10,122,039	9,254,974	9.4	31,753,398	35,630,844	-10.9
Switzerland	8,036,492	5,124,111	56.8	24,781,933	24,265,872	2.1
Italy	2,683,335	4,523,078	-40.7	11,716,814	22,971,519	-49.0
Spain	2,535,203	1,471,134	72.3	8,775,951	8,142,254	7.8
Sweden	2,336,186	1,209,298	93.2	8,012,775	3,994,767	100.6
France	1,951,606	1,437,921	35.7	6,528,975	7,927,742	-17.6
Korea	2,073,165	968,674	114.0	6,403,200	6,803,310	-5.9
Canada	1,444,655	1,387,153	4.1	6,063,417	7,435,963	-18.5
Singapore	866,473	629,998	37.5	3,346,319	7,773,325	-57.0
Brazil	1,918,042	15,045	12,648.7	3,100,410	5,451,593	-43.1
Belgium	2,853	225,530	-98.7	1,030,475	592,750	73.8

METAL FORMING

COUNTRY	APRIL	MARCH	% CHANGE	APR YTD'91	APR YTD'90	% CHANGE
Japan	$42,213,010	$18,828,453	124.2%	$101,512,959	$59,365,604	71.0%
Germany	6,905,138	7,157,235	-3.5	33,226,840	20,871,243	59.2
Brazil	18,679,897	500,000	3,636.0	19,218,837	0	NA
Canada	4,966,621	5,205,499	-4.6	17,760,980	18,620,623	-4.6
Italy	2,441,848	3,840,972	-36.4	12,645,035	16,551,583	-23.6
Switzerland	1,296,434	1,393,150	-6.9	7,103,752	9,680,475	-26.6
United Kingdom	2,207,825	1,304,183	69.3	6,468,216	4,333,964	49.2
Sweden	665,006	1,706,037	-61.0	5,688,096	2,988,021	90.4
Belgium	826,021	1,492,395	-44.7	3,597,488	7,987,422	-55.0
Taiwan	299,561	468,429	-36.0	2,535,286	4,226,927	-40.0
Spain	29,223	100,185	-70.8	1,044,743	1,509,388	-30.8
France	231,053	163,070	41.7	940,163	380,374	147.2
Korea	80,276	253,675	-68.4	363,335	119,528	204.0
Singapore	0	0	NA	300,254	53,105	465.4

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	APRIL	MARCH	% CHANGE	APR YTD'91	APR YTD'90	% CHANGE
Japan	$105,968,308	$91,374,916	16.0%	$359,478,506	$361,215,117	-0.5%
Germany	73,493,967	30,191,348	143.4	161,975,245	102,718,283	57.7
Taiwan	10,293,272	7,200,602	43.0	42,981,812	47,207,436	-9.0
United Kingdom	12,329,864	10,559,157	16.8	38,221,614	39,964,808	-4.4
Switzerland	9,332,926	6,517,261	43.2	31,885,685	33,946,347	-6.1
Italy	5,125,183	8,364,050	-38.7	24,361,849	39,523,102	-38.4
Canada	6,411,276	6,592,652	-2.8	23,824,397	26,056,586	-8.6
Brazil	20,597,939	515,045	3,899.3	22,319,247	5,451,593	309.4
Sweden	3,001,192	2,915,335	2.9	13,700,871	6,982,788	96.2
Spain	2,564,426	1,571,319	63.2	9,820,694	9,651,642	1.8
France	2,182,659	1,600,991	36.3	7,469,138	8,308,116	-10.1
Korea	2,153,441	1,222,349	76.2	6,766,535	6,922,838	-2.3
Belgium	828,874	1,717,925	-51.8	4,627,963	8,580,172	-46.1
Singapore	866,473	629,998	37.5	3,646,573	7,826,430	-53.4

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	5,350	13,231,937	5,314	9,384,660	5,918	12,359,757	5,272	15,333,596
Boring Machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling Machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear Cutting Machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding Machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
Horizontal Lathes NC	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
Vertical Lathes NC	1	161,310	2	341,835	6	371,174	1	89,700
Lathes Non-NC	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling Machines	21	1,285,651	27	1,256,940	56	1,629,636	35	6,730,275
Machining Centers	18	2,251,834	27	4,699,366	21	6,179,301	33	5,723,799
Station Type Machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other Metal Cutting	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & Shearing Machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & Forming Machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging Machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other Metal Forming	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	APRIL 1991 YTD		APRIL 1990		APRIL 1990 YTD	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	21,854	50,309,950	4,803	14,929,198	18,092	50,067,369
Boring Machines	33	4,534,630	8	1,954,122	42	5,838,849
Drilling Machines	368	8,336,091	62	1,031,525	319	6,740,971
Gear Cutting Machines	75	21,439,551	4	342,956	81	13,106,081
Grinding Machines	1,104	36,123,556	306	10,686,858	1,264	48,960,791
Horizontal Lathes NC	115	13,559,542	39	5,237,685	152	17,812,088
Vertical Lathes NC	10	964,019	5	262,000	26	2,377,514
Lathes Non-NC	181	4,402,287	65	2,364,278	247	6,805,835
Milling Machines	139	10,902,502	32	3,018,604	184	15,116,615
Machining Centers	99	18,854,300	26	4,477,012	175	26,609,372
Station Type Machines	20	26,795,070	2	596,029	48	18,334,599
Other Metal Cutting	1,089	27,960,608	269	6,223,447	1,259	30,130,847
Punching & Shearing Machines	429	19,148,900	111	3,759,666	494	23,559,935
Bending & Forming Machines	457	23,267,114	177	6,400,347	567	21,140,861
Presses	685	25,263,127	191	11,017,558	853	39,885,249
Forging Machines	62	12,884,858	26	3,198,154	99	13,870,082
Other Metal Forming	917	38,305,817	203	9,968,707	1,044	34,613,809
TOTAL	27,637	343,051,922	6,329	85,468,146	24,946	374,970,867

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE MAR '91 – APR '91 Units	Value	% CHANGE APR '90 – APR '91 Units	Value	% CHANGE YTD '90 – YTD '91 Units	Value
Used & Rebuilt & Under $2,500	-10.9%	24.1%	9.8%	2.7%	20.8%	0.5%
Boring Machines	42.9	59.2	25.0	-60.0	-21.4	-22.3
Drilling Machines	-4.1	-56.9	51.6	14.1	15.4	23.7
Gear Cutting Machines	37.5	72.4	450.0	1,859.6	-7.4	63.6
Grinding Machines	13.8	37.6	2.3	8.0	-12.7	-26.2
Horizontal Lathes NC	31.0	37.7	-2.6	-10.1	-24.3	-23.9
Vertical Lathes NC	-83.3	-75.8	-80.0	-65.8	-61.5	-59.5
Lathes Non-NC	88.2	53.4	-1.5	-40.8	-26.7	-35.3
Milling Machines	37.5	313.0	9.4	123.0	-24.5	-27.9
Machining Centers	57.1	-7.4	26.9	27.8	-43.4	-29.1
Station Type Machines	-100.0	-100.0	-100.0	-100.0	-58.3	46.1
Other Metal Cutting	-17.4	-10.9	-1.1	4.7	-13.5	-7.2
Punching & Shearing Machines	84.7	0.2	41.4	22.2	-13.2	-18.7
Bending & Forming Machines	0.8	-33.2	-32.2	-24.5	-19.4	10.1
Presses	31.3	49.8	-12.0	-34.1	-19.7	-36.7
Forging Machines	-47.6	-79.0	-57.7	-72.9	-37.4	-7.1
Other Metal Forming	59.6	52.4	51.7	45.9	-12.2	10.7
TOTAL	-5.7	13.5	9.2	8.6	10.8	-8.5

1991 U.S. IMPORTS BY PRODUCT GROUPS

	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	71,667	13,094,991	94,612	15,968,463	63,827	14,630,134	91,842	16,332,717
Boring Machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling Machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear Cutting Machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding Machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
Horizontal Lathes NC	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
Vertical Lathes NC	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Lathes Non-NC	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling Machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining Centers	293	33,595,255	212	22,089,069	167	23,849,656	189	59,165,452
Station Type Machines	14	4,189,738	4	1,830,253	5	1,401,630	19	4,376,300
Other Metal Cutting	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & Shearing Machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & Forming Machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging Machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other Metal Forming	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
TOTAL	75,340	188,904,534	97,375	150,935,481	66,507	176,991,564	94,601	263,397,860

	APRIL 1991 YTD		APRIL 1990		APRIL 1990 YTD	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	321,948	60,026,305	83,714	12,296,755	294,704	49,322,816
Boring Machines	242	18,803,277	47	1,821,173	185	9,138,945
Drilling Machines	420	16,135,782	113	3,595,961	497	15,671,713
Gear Cutting Machines	99	19,731,312	34	4,189,126	184	16,730,865
Grinding Machines	2,175	87,832,235	737	21,052,417	2,813	87,035,265
Horizontal Lathes NC	933	97,201,862	281	25,715,875	1,188	108,776,636
Vertical Lathes NC	48	10,167,944	6	1,455,000	48	7,874,758
Lathes Non-NC	1,691	25,161,393	976	10,109,253	2,871	37,958,353
Milling Machines	1,286	29,987,265	598	7,693,031	1,907	26,950,563
Machining Centers	861	138,699,432	344	48,979,703	1,244	153,347,991
Station Type Machines	42	11,797,921	41	8,192,567	81	18,719,145
Other Metal Cutting	1,248	59,366,954	425	12,556,824	1,739	57,893,370
Punching & Shearing Machines	315	17,100,329	146	3,941,347	581	23,552,541
Bending & Forming Machines	641	27,431,271	213	6,322,513	762	26,055,318
Presses	637	85,710,925	138	9,524,846	945	24,366,031
Forging Machines	201	19,796,805	69	3,905,455	376	23,826,637
Other Metal Forming	1,036	55,278,427	196	13,040,125	949	45,639,926
TOTAL	333,823	780,229,439	88,078	194,391,971	311,074	732,860,873

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE MAR '91 – APR '91 Units	Value	% CHANGE APR '90 – APR '91 Units	Value	% CHANGE YTD '90 – YTD '91 Units	Value
Used & Rebuilt & Under $2,500	43.9%	11.6%	9.7%	32.8%	9.2%	21.7%
Boring Machines	-14.6	-15.7	0.0	208.8	30.8	105.8
Drilling Machines	1.9	-48.6	-5.3	-17.6	-15.5	3.0
Gear Cutting Machines	91.7	103.3	-32.4	58.0	-46.2	17.9
Grinding Machines	-5.7	28.8	-30.9	27.4	-22.7	0.9
Horizontal Lathes NC	14.8	-9.8	-0.4	-0.7	-21.5	-10.6
Vertical Lathes NC	66.7	20.2	150.0	145.6	0.0	29.1
Lathes Non-NC	1.6	-35.7	-67.5	-55.1	-41.1	-33.7
Milling Machines	32.0	90.1	-44.8	22.8	-32.6	11.3
Machining Centers	13.2	148.1	-45.1	20.8	-30.8	-9.6
Station Type Machines	280.0	212.2	-53.7	-46.6	-48.2	-37.0
Other Metal Cutting	29.5	10.8	-22.6	48.0	-28.2	2.6
Punching & Shearing Machines	12.4	-17.0	-31.5	12.4	-45.8	-27.4
Bending & Forming Machines	-17.0	-52.0	-42.7	-37.5	-15.9	5.3
Presses	-47.9	471.9	-38.4	440.1	-32.6	251.8
Forging Machines	-13.7	5.6	-36.2	61.0	-46.5	-16.9
Other Metal Forming	-12.3	14.1	24.0	5.1	9.2	21.1
TOTAL	42.2	48.8	7.4	35.5	7.3	6.5

U.S. EXPORTS
Metal Cutting Machine Tools - April 91

RELEASED: July 3, 1991

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	43	3181	6	355
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	29	4126	9	1302
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	8	1443	6	1223
100035	Horizontal machining centers, ATC	16	7117	5	1569
100045	Machining centers, n.e.c.	46	6168	13	1629
200010	Unit construction mach. (single station transfer), NC	2	474	0	0
200090	Unit construction mach. (single station transfer), non-NC	4	1955	0	0
300010	Multi-station transfer machines, NC	7	12459	0	0
300090	Multi-station transfer machines, non-NC	6	11869	0	0
8458110010	Horizontal lathes, multiple spindle, NC	10	1884	5	709
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	79	6686	26	2285
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	15	2559	2	258
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	11	2430	5	1456
190030	Horizontal engine or toolroom lathes, non-NC	13	177	0	0
190050	Automatic bar and/or chucking mach., single spindle, non-NC	3	38	3	38
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	24	1180	13	533
190090	Horizontal lathes, n.e.c., non-NC	102	1783	44	716
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	261	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	9	703	1	90
991050	Vertical turret lathes, non-NC	19	295	1	10
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	20	929	3	103
8459100000	Way-type unit head machines	1	38	0	0
210080	Other drilling machines, NC	62	4992	7	469
290040	Drilling machines, multiple spindle, non-NC	0	0	0	0
290050	Drilling machines, radial, non-NC	11	135	7	110
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	12	574	0	0
290090	Drilling machines, n.e.c., non-NC	283	2634	80	598
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	1	394	1	394
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	3	2580	0	0
310070	Boring-milling machines, n.e.c., NC	10	748	2	142
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	33	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	4	137	0	0
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	9	303	7	245
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	5	340	0	0
510080	Milling machines, knee type, NC	9	850	5	202
590030	Milling machines, knee type, non-NC	42	1689	7	267
610080	Milling machines, excluding knee type, n.e.c., NC	14	6555	10	5968
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070	Milling machines, bed type, non-NC	1	37	1	37
690090	Milling machines, n.e.c., non-NC	73	1771	12	256
700020	Threading or tapping machines, n.e.c., NC	36	1317	8	467
700080	Threading or tapping machines, n.e.c., non-NC	90	2706	25	543
8460110080	Flat surface grinding machines, NC	13	1780	8	936
190010	Flat surface grinding mach., recip.-table type, non-NC	16	203	1	22
190050	Flat surface grinding machines, n.e.c., non-NC	7	901	2	309
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	48	16947	17	5276
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	6	1269	3	297
290030	Grinding machines, internal cylindrical, non-NC	6	209	3	122
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	117	4234	29	691
310080	Sharpening machines (tool & cutter grinding), NC	11	898	3	208
390050	Sharpening machines (tool or cutter grinding), non-NC	357	3587	58	1462
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	160	2018	96	1099
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	1	24	0	0
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	362	4055	93	1122
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	67	1692	10	750
200010	Shaping or slotting machines, NC	2	208	0	0
200090	Shaping or slotting machines, non-NC	16	381	4	63
300060	Broaching machines, NC	2	338	2	338
300080	Broaching machines, non-NC	24	971	5	223
401050	Gear hobbers	26	1873	1	34
401070	Gear shapers	2	463	1	54
401090	Gear cutting machines, n.e.c.	27	15986	9	5241
405060	Gear grinding or finishing machines	20	3118	11	1392
500050	Sawing or cutting-off machines, NC	30	1207	10	248
500090	Sawing or cutting-off machines, non-NC	568	6937	154	1982
9000000001	Metal cutting machine tools, n.e.c.	211	9023	42	1548
9800000001	Used or rebuilt machine tools	1931	19860	437	6978
9900000001	Machine tools valued at less than $3,025	13425	7900	3033	1834
	Cutting Total			4346	54204
	Y-T-D Cutting Total	18589	201632		
	NC Y-T-D Cutting Total*	558	90640		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	3	398	0	0	1	131
100025	0	0	0	0	1	132	0	0	1	229
100035	0	0	0	0	2	564	0	0	0	0
100045	0	0	0	0	0	0	0	0	5	380
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	1	332	2	211
110030	0	0	0	0	4	387	0	0	2	195
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	450
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	2	33
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	7	90	5	85
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	13
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	3	35
290070	0	0	0	0	0	0	0	0	0	0
290090	1	5	0	0	0	0	0	0	23	149
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	44
590030	2	74	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	2	1248
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	1	37
690090	0	0	0	0	1	26	0	0	2	68
700020	0	0	0	0	2	55	0	0	0	0
700080	0	0	0	0	1	109	0	0	5	44
8460110080	0	0	0	0	0	0	1	420	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	1	132	1	177
210080	0	0	0	0	0	0	1	333	1	592
290010	0	0	0	0	0	0	0	0	1	167
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	9	69
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	14	185
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	16	0	0	0	0	1	10
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	1	6	14	224
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	3	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	3	48
300060	0	0	0	0	0	0	0	0	2	338
300080	0	0	0	0	0	0	0	0	3	108
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	3	60
500090	0	0	0	0	1	9	0	0	11	109
9000000001	0	0	0	0	0	0	0	0	12	448
9800000001	1	30	1	4	2	5	17	43	74	533
9900000001	46	43	0	0	68	89	42	63	188	209
Month Tot	51	156	2	20	85	1775	71	1419	394	6628
Y-T-D Tot	292	1902	29	467	516	4836	186	3894	1844	21885
NC YTD Tot*	3	954	0	0	30	3569	17	2507	79	12313

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	4	226	0	0	0	0
8457100015	0	0	0	0	1	143	0	0	0	0
100025	0	0	0	0	0	0	1	427	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	81	0	0	3	186	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	3	821	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	3	83	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	5	342	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	7	31	0	0	0	0	1	5
310010	0	0	0	0	1	394	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	1	1203	1	625	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	295	4	1798	1	240	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	22	0	0	0	0
290050	0	0	0	0	2	16	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	19	120	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	45	0	0	1	52	40	423	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	2	18	18	205	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	6	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	682	1	579	0	0
405060	0	0	0	0	7	335	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	5	13	232	1	5	2	21
9000000001	0	0	0	0	8	199	3	78	0	0
9800000001	1	9	6	11	48	232	14	82	0	0
9900000001	300	7	155	118	167	118	2	6	0	0
Month Tot	309	2460	176	2607	301	3750	65	1683	3	26
Y-T-D Tot	454	10122	629	7251	1438	29298	289	5645	17	82
NC YTD Tot*	21	5719	20	4686	81	19367	4	1614	1	31

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	129
8457100015	0	0	0	0	2	280	0	0	0	0
100025	0	0	0	0	1	116	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	1	290	0	0	0	0	5	322
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	166
110030	1	75	0	0	0	0	0	0	2	259
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	5
190070	0	0	10	450	0	0	0	0	0	0
190090	0	0	0	0	1	7	0	0	22	439
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	90
991050	0	0	0	0	0	0	0	0	1	10
995090	0	0	0	0	0	0	0	0	1	28
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	84	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	8
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	3	2	8	0	0	43	386
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	53
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	13
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	1	74	0	0	0	0
590030	0	0	0	0	1	20	0	0	1	42
610080	0	0	0	0	0	0	0	0	1	70
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	3	58	0	0	0	0	5	90
700020	0	0	2	312	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	7	47
8460110080	0	0	2	351	4	139	0	0	0	0
190010	0	0	1	22	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	5	1134	0	0	0	0	1	75
290010	0	0	0	0	0	0	0	0	2	130
290030	0	0	0	0	0	0	0	0	2	101
290050	0	0	4	131	0	0	0	0	8	81
310080	0	0	1	162	0	0	0	0	1	20
390050	0	0	1	55	12	81	1	9	3	14
400060	0	0	0	0	0	0	0	0	0	0
400080	4	58	0	0	37	416	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	4	39	6	118	1	11	0	0	15	152
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	3	663	1	5	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	1	10	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	34
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	2	1775	0	0	0	0
405060	1	40	1	915	0	0	0	0	1	13
500050	0	0	0	0	0	0	0	0	1	22
500090	0	0	40	563	1	27	0	0	12	106
9000000001	1	230	0	0	1	9	0	0	1	4
9800000001	23	90	4	10	53	1642	1	606	109	1030
9900000001	136	75	158	101	151	100	14	17	464	219
Month Tot	170	607	243	5338	273	4801	16	632	719	4157
Y-T-D Tot	531	6102	2032	17938	1308	13207	25	703	2982	15276
NC YTD Tot*	7	3211	53	5341	23	3936	0	0	54	5656

Please see notes on last page of the metal forming section.

U.S. EXPORTS
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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	6	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	240	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	2	40	0	0	1	297
310080	0	0	1	26	0	0	0	0	0	0
390050	2	9	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	3	14	0	0	1	13
900060	0	0	0	0	0	0	0	0	0	0
900080	3	33	0	0	1	11	0	0	2	21
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	105	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	4	100	0	0
500090	16	88	0	0	1	10	1	13	1	4
9000000001	0	0	0	0	0	0	3	46	0	0
9800000001	26	213	11	96	0	0	1	3	3	66
9900000001	24	19	270	137	7	6	12	8	28	32
Month Tot	72	602	283	364	14	81	22	176	36	433
Y-T-D Tot	290	2797	616	1994	73	546	446	2177	620	3179
NC YTD Tot*	5	1129	3	209	1	27	10	1429	3	973

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	2	351	0	0	0	0	0	0
100025	0	0	1	112	0	0	0	0	1	207
100035	0	0	0	0	0	0	0	0	3	1005
100045	0	0	1	35	0	0	0	0	1	603
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	102	8	525	0	0	1	103	3	371
110050	0	0	0	0	0	0	2	258	0	0
110090	0	0	0	0	0	0	1	185	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	8	89
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	62
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	43	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	58	1	9
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	2	10
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	1	90	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	6	232
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	3	84
590030	0	0	1	40	0	0	0	0	2	91
610080	0	0	0	0	0	0	0	0	5	2822
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	13
700020	0	0	4	100	0	0	0	0	0	0
700080	0	0	0	0	0	0	5	249	7	94
8460110080	0	0	0	0	0	0	0	0	1	25
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	258	0	0	0	0	1	311
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	41	0	0	2	15	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	2	65	2	908	0	0	2	17
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	2	22	0	0	0	0	4	30
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	3	25	0	0	16	193	7	66
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	4	73	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	15	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	54
401090	0	0	0	0	3	1892	0	40	2	274
405060	0	0	0	0	0	0	0	0	1	88
500050	0	0	2	66	0	0	0	0	0	0
500090	0	0	18	209	0	0	0	0	35	582
9000000001	8	479	0	0	0	0	0	0	5	57
9800000001	2	5	17	55	0	0	1	55	22	2158
9900000001	47	8	339	135	0	0	32	44	383	279
Month Tot	58	594	408	2171	5	2800	62	1291	508	9634
Y-T-D Tot	104	1046	1461	8678	26	14235	322	4211	2059	24161
NC YTD Tot*	8	518	60	5272	4	324	12	1243	59	10612

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U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 91

RELEASED: July 3, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	136	3470	33	384
8462100030	Headers and upsetters, including cold headers	10	4189	1	110
100050	Forging or die stamping machines, and hammers, n.e.c.	52	8695	10	758
210080	Bending, folding, straight. or flat. mach., incl presses, NC	86	10070	24	1474
290030	Press brakes, non-NC	39	1708	10	1134
290040	Bending rolls, non-NC	27	769	9	87
290050	Bending, folding, straight., or flat., n.e.c., non-NC	305	10720	77	2135
310080	Shearing machines, NC	26	1949	8	399
390050	Shearing machines, non-NC	110	3145	13	155
410080	Punching or notching mach., incl. comb. punch & shear, NC	42	7337	16	1888
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	251	6718	120	2153
910060	Hydraulic presses, NC	8	388	2	18
910090	Hydraulic presses, non-NC	217	4580	48	1125
990030	Presses, n.e.c., NC	71	3894	43	1391
990040	Presses, mechanical, non-NC	75	6223	8	1572
990060	Presses, n.e.c., non-NC	314	10177	67	3157
8463100080	Draw benches for bars, tubes, profiles, wire or the like	69	2617	17	379
200080	Thread rolling machines	20	579	5	220
300080	Machines for working wire	273	7872	95	2187
900080	Metal forming machine tools, n.e.c.	419	23767	158	11379
9800000002	Used or rebuilt machine tools	1060	18133	293	5297
9900000002	Machine tools valued at less than $3,025	5438	4417	1509	1225
	Forming Total			2566	38627
	Y-T-D Forming Total	9048	141420		
	NC Y-T-D Forming Total	233	23639		
	Cutting and Forming Totals:				
	Monthly Total			6912	92831
	Y-T-D Total	27637	343052		
	NC Y-T-D Total*	791	114279		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	221544	0	55734
2000000000	Parts for working rubber or plastics - heading 8477	0	92060	0	24053
2710003070	Quenching or cutting oils	0	1987	0	592
8428900010	Industrial robots for lifting, handling, loading or unload	218	1433	10	194
8431390090	Parts industrial robots, handling and loading - heading 8428	0	32159	0	9317
8456100000	Laser, light or photon beam for working any material	219	11383	45	1816
200000	Ultrasonic process for working any material	23	520	7	173
8477106010	Injection molding mach., for rubber or oth. thermosetting	65	4618	21	1624
106070	Injection molding machines, for thermoplastics	131	15407	45	6065
200005	Extruders; rubber or other thermosetting mat., single screw	38	2770	11	837
200015	Extruders; rubber or thermosetting, other incl. multi. screw	42	4067	11	1063
200030	Extruders; thermoplastics, single screw	131	5070	14	850
200060	Extruders; thermoplastics, other incl. multi. screw	42	5675	8	275
300000	Blow molding machines	230	11055	26	1557
400000	Vacuum-molding and other thermoforming machines	357	1891	47	552
510010	Machines for molding or retreading pneumatic tires	1495	5213	484	1932
510090	Machines for molding or otherwise forming inner tubes	189	5798	38	671
590000	Machines for molding or otherwise forming n.e.c.	495	6473	131	2836
800000	Machines for working rubber or plastics n.e.c.	1592	25093	307	4552
8479899040	Industrial robots, n.e.c.	1674	20924	355	4875
908040	Industrial robot parts	0	10992	0	1882
8537100030	Numerical controls for controlling machine tools	535	7605	121	1673
9024100000	Machines and appliances for testing metals	0	23252	0	8094
9031100000	Machines for balancing mechanical parts	0	7781	0	1766
300000	Profile projectors	0	1843	0	357
9032810040	Industrial process control instr., hydraulic or pneumatic	346404	14960	94906	3344

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	2	31
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	35	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	262
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	3	27
290050	14	102	0	0	0	0	1	164	20	291
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	2	21
410080	1	118	0	0	0	0	0	0	5	607
490050	4	53	0	0	2	145	0	0	16	135
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	2	213	0	0	2	168
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	2	101	0	0	0	0	1	13
990060	0	0	0	0	0	0	0	0	4	50
8463100080	0	0	0	0	0	0	0	0	1	58
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	2	68	11	132
900080	1	16	0	0	2	55	2	15	18	242
9800000002	2	23	0	0	0	0	1	15	37	1043
9900000002	30	27	3	3	28	10	36	32	206	182
Month Tot	52	338	5	104	35	458	42	294	329	3263
Y-T-D Tot	115	1131	8	188	171	610	101	2524	1038	18366
NC YTD Tot	1	118	0	0	0	0	4	552	30	4908
C&F Month	103	494	7	124	120	2233	113	1713	723	9891
C&F Y-T-D	407	3032	37	655	687	5446	287	6418	2882	40251
C&F NC YTD*	4	1072	0	0	30	3569	21	3059	109	17221

Other Manufacturing Technology

1000000000	0	935	0	159	0	869	0	1145	0	9772
2000000000	0	353	0	1238	0	1222	0	473	0	5722
2710003070	0	21	0	0	0	133	0	0	0	149
8428900010	0	0	0	0	1	20	1	11	0	0
8431390090	0	442	0	0	0	4	0	108	0	754
8456100000	2	65	0	0	1	16	0	0	2	41
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	12	810	4	469
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	8	1001
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	1	57
400000	1	50	0	0	0	0	0	0	5	151
510010	0	0	0	0	21	41	1	32	1	13
510090	0	0	0	0	0	0	3	36	0	0
590000	1	6	1	61	14	219	0	0	0	0
800000	6	45	0	0	0	0	0	0	72	877
8479899040	0	0	0	0	0	0	0	0	260	3238
908040	0	3	0	0	0	0	0	0	0	711
8537100030	0	0	0	0	5	75	1	16	11	133
9024100000	0	3	0	0	0	72	0	15	0	730
9031100000	0	82	0	0	0	0	0	98	0	1007
300000	0	0	0	0	0	18	0	0	0	14
9032810040	132	10	104	13	903	45	4	5	1959	219

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	7	0	0	3	24	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	168	0	0	0	0
210080	11	473	0	0	1	35	0	0	0	0
290030	0	0	0	0	0	0	0	0	10	1134
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	9	4	233	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	1	122	0	0	0	0	0	0
490050	10	123	0	0	3	156	0	0	27	335
910060	1	9	0	0	0	0	0	0	0	0
910090	0	0	5	51	0	0	0	0	0	0
990030	0	0	19	900	0	0	0	0	0	0
990040	0	0	1	375	0	0	0	0	0	0
990060	0	0	2	555	7	1369	0	0	0	0
8463100080	2	10	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	31	9	164	18	482	0	0	0	0
900080	3	682	16	4225	4	702	4	96	3	67
9800000002	0	0	5	120	0	0	0	0	0	0
9900000002	0	0	38	32	67	58	0	0	0	0
Month Tot	29	1327	98	6560	105	3202	7	120	40	1537
Y-T-D Tot	74	5176	295	8786	673	13362	47	649	71	1945
NC YTD Tot	15	1430	29	1685	17	1510	1	140	0	0
C&F Month	338	3787	274	9167	406	6952	72	1803	43	1562
C&F Y-T-D	528	15299	924	16037	2111	42660	336	6294	88	2027
C&F NC YTD*	36	7149	49	6371	98	20878	5	1754	1	31

Other Manufacturing Technology

1000000000	0	770	0	3372	0	5832	0	305	0	24
2000000000	0	41	0	385	0	1202	0	609	0	658
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	4	52	0	0	0	0	0	0
8431390090	0	69	0	191	0	304	0	3	0	356
8456100000	0	0	0	0	1	13	0	0	0	0
200000	0	0	3	97	0	0	0	0	0	0
8477106010	1	165	0	0	1	50	0	0	0	0
106070	0	0	1	190	3	344	0	0	0	0
200005	0	0	0	0	1	66	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	1	22	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	4	358	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	22	63	0	0	18	451	0	0
510090	0	0	0	0	0	0	4	437	0	0
590000	0	0	1	51	2	26	2	33	0	0
800000	0	0	0	0	1	12	30	475	0	0
8479899040	1	85	51	307	18	366	0	0	0	0
908040	0	29	0	53	0	96	0	0	0	0
8537100030	1	15	23	318	17	248	0	0	0	0
9024100000	0	444	0	105	0	748	0	51	0	0
9031100000	0	4	0	0	0	29	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810040	401	26	1712	94	4845	301	491	32	95	5

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	2	51
8462100030	0	0	0	0	1	110	0	0	0	0
100050	0	0	0	0	1	130	0	0	0	0
210080	0	0	0	0	2	90	0	0	1	25
290030	0	0	0	0	0	0	0	0	0	0
290040	6	60	0	0	0	0	0	0	0	0
290050	0	0	7	423	0	0	0	0	14	295
310080	0	0	5	240	0	0	0	0	0	0
390050	0	0	0	0	3	17	0	0	7	107
410080	0	0	1	42	0	0	0	0	2	291
490050	2	146	0	0	0	0	0	0	27	271
910060	0	0	0	0	0	0	0	0	1	9
910090	0	0	0	0	1	24	0	0	27	214
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	135	0	0	0	0	1	693
990060	1	30	11	473	2	15	0	0	26	276
8463100080	0	0	2	38	0	0	0	0	1	18
200080	0	0	2	60	0	0	0	0	1	76
300080	0	0	1	28	3	83	0	0	16	181
900080	0	0	3	62	7	228	0	0	12	156
9800000002	0	0	0	0	12	448	0	0	97	1002
9900000002	6	6	86	46	21	18	13	13	203	199
Month Tot	15	242	119	1547	53	1162	13	13	438	3866
Y-T-D Tot	111	2393	631	14474	265	7219	53	652	1951	16513
NC YTD Tot	2	251	19	3242	9	956	0	0	22	1937
C&F Month	185	849	362	6885	326	5963	29	645	1157	8023
C&F Y-T-D	642	8495	2663	32412	1573	20426	78	1354	4933	31789
C&F NC YTD*	9	3462	72	8584	32	4892	0	0	76	7593

Other Manufacturing Technology

1000000000	0	1137	0	4158	0	1073	0	611	0	4395
2000000000	0	485	0	888	0	1061	0	122	0	1526
2710003070	0	0	0	24	0	10	0	0	0	29
8428900010	0	0	2	49	0	0	0	0	1	51
8431390090	0	9	0	141	0	41	0	0	0	608
8456100000	1	29	16	1110	0	0	0	0	2	45
200000	1	31	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	18	1154
106070	0	0	0	0	10	3292	1	102	3	244
200005	0	0	1	149	0	0	0	0	8	238
200015	0	0	0	0	0	0	0	0	0	0
200030	1	15	0	0	4	300	0	0	0	0
200060	3	80	0	0	0	0	0	0	4	181
300000	3	219	0	0	0	0	0	0	2	32
400000	0	0	0	0	12	106	0	0	28	241
510010	7	181	0	0	0	0	0	0	37	760
510090	0	0	1	4	0	0	0	0	2	87
590000	34	644	3	173	1	11	0	0	24	283
800000	2	38	1	13	13	198	0	0	43	863
8479899040	6	100	2	13	0	0	0	0	2	172
908040	0	155	0	177	0	247	0	0	0	173
853[illegible]9030	2	20	5	81	5	65	0	0	2	16
9024100000	0	222	0	1705	0	1930	0	34	0	601
9031100000	0	0	0	21	0	124	0	10	0	198
300000	0	18	0	53	0	62	0	0	0	0
9032810040	2350	179	3392	267	3504	198	0	0	1798	150

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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	24	262
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	4	234	0	0	0	0	0	0
210080	0	0	0	0	1	55	2	106	1	83
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	15	1	6	0	0	0	0	6	198
310080	1	59	2	99	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	10
410080	3	318	0	0	0	0	1	75	0	0
490050	0	0	1	8	0	0	10	126	1	7
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	2	68	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	2	43
8463100080	0	0	0	0	1	24	3	87	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	13	0	0	1	26	1	4	0	0
900080	24	1821	10	251	0	0	0	0	0	0
9800000002	0	0	1	17	5	4	0	0	0	732
9900000002	357	291	0	0	12	10	58	38	11	9
Month Tot	387	2516	19	614	22	187	75	436	46	1344
Y-T-D Tot	545	5037	166	2602	39	538	168	1045	149	3608
NC YTD Tot	10	1148	10	692	1	55	3	181	3	133
C&F Month	459	3118	302	978	36	268	97	611	82	1776
C&F Y-T-D	835	7834	782	4596	112	1084	614	3221	769	6787
C&F NC YTD*	15	2277	13	901	2	82	13	1610	6	1106

Other Manufacturing Technology

1000000000	0	1164	0	1293	0	537	0	533	0	669
2000000000	0	751	0	245	0	609	0	90	0	126
2710003070	0	0	0	53	0	0	0	11	0	0
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	99	0	223	0	49	0	0	0	0
8456100000	0	0	3	74	0	0	0	0	9	229
200000	0	0	1	17	1	16	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	2	126	0	0	0	0	3	105	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	3	62	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	1	14	0	0
300000	1	25	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	8	107	0	0	0	0
510090	1	7	5	4	0	0	0	0	0	0
590000	2	29	0	0	2	27	0	0	9	108
800000	4	19	1	13	0	0	1	24	0	0
8479899040	1	9	0	0	0	0	3	76	1	348
908040	0	3	0	21	0	0	0	36	0	0
8537100030	0	0	1	12	1	8	1	12	0	0
9024100000	0	22	0	27	0	89	0	14	0	113
9031100000	0	7	0	55	0	0	0	0	0	0
300000	0	111	0	21	0	0	0	0	0	28
9032810040	6504	345	3295	181	4137	246	403	20	176	17

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	1	8
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	2	135	0	0	0	0	1	57
210080	0	0	0	0	0	0	0	0	4	346
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	8	400
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	2	315	0	0	0	0	0	0
490050	10	161	3	144	0	0	0	0	4	343
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	2	182	0	0	4	119	3	87
990030	0	0	24	491	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	2	254
990060	0	0	12	346	0	0	0	0	0	0
8463100080	2	13	5	131	0	0	0	0	0	0
200080	0	0	1	23	0	0	0	0	1	61
300080	0	0	5	206	0	0	1	15	24	755
900080	1	77	26	1289	0	0	1	35	21	1361
9800000002	9	12	3	46	0	0	0	0	121	1838
9900000002	37	19	68	70	0	0	35	15	194	147
Month Tot	59	281	153	3377	0	0	41	184	384	5656
Y-T-D Tot	113	1889	620	10009	0	0	76	535	1568	22169
NC YTD Tot	4	670	35	1339	0	0	0	0	18	2691
C&F Month	117	875	561	5548	5	2800	103	1475	892	15290
C&F Y-T-D	217	2936	2081	18687	26	14235	398	4746	3627	46330
C&F NC YTD*	12	1187	95	6611	4	324	12	1243	77	13303

Other Manufacturing Technology

1000000000	0	663	0	5623	0	82	0	1830	0	8782
2000000000	0	169	0	1900	0	0	0	708	0	3471
2710003070	0	0	0	13	0	0	0	4	0	145
8428900010	0	0	0	0	0	0	0	0	1	11
8431390090	0	2025	0	422	0	0	0	1558	0	1910
8456100000	0	0	1	33	0	0	0	0	7	163
200000	1	12	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	1	255
106070	0	0	2	84	0	0	3	198	1	100
200005	0	0	0	0	0	0	0	0	1	384
200015	0	0	0	0	0	0	0	0	0	0
200030	1	139	4	256	0	0	0	0	3	118
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	2	266	0	0	0	0	13	599
400000	0	0	0	0	0	0	0	0	1	4
510010	0	0	0	0	0	0	0	0	369	284
510090	0	0	0	0	0	0	0	0	22	96
590000	0	0	12	914	0	0	0	0	23	250
800000	2	25	33	1114	0	0	0	0	98	836
8479899040	0	0	5	103	0	0	4	25	1	33
908040	0	10	0	77	0	0	0	0	0	90
8537100030	0	0	37	530	0	0	0	0	9	125
9024100000	0	27	0	571	0	0	0	15	0	556
9031100000	0	39	0	6	0	0	0	0	0	87
300000	0	0	0	6	0	0	0	0	0	26
9032810040	46110	168	3385	258	146	23	2	4	9058	536

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	104	25	2	24	106	49
Finland	1	9	5	171	6	181
Greece	0	0	0	0	0	0
Hungary	1	311	1	15	2	326
Iceland	0	0	0	0	0	0
Ireland	7	1288	22	1152	29	2441
Luxembourg	0	0	0	0	0	0
Norway	5	49	0	0	5	49
Poland	0	0	0	0	0	0
Portugal	7	4	1	88	8	92
Romania	0	0	0	0	0	0
Sweden	11	74	13	319	24	393
Turkey	22	237	18	358	40	595
Yugoslavia	0	0	0	0	0	0
Oth Europe	1	4	0	0	1	4
TOTAL	1414	16590	957	19209	2371	35799
NORTH AND CENTRAL AMERICA						
Bahamas	12	43	0	0	12	43
Barbados	0	0	3	61	3	61
Belize	4	4	0	0	4	4
Bermuda	0	0	0	0	0	0
Costa Rica	14	320	0	0	14	320
Dominican Rep	0	0	0	0	0	0
El Salvador	1	8	0	0	1	8
Guatemala	7	141	4	86	11	227
Haiti	0	0	0	0	0	0
Honduras	10	17	24	230	34	247
Jamaica	1	8	0	0	1	8
Panama	0	0	4	3	4	3
Trinidad	1	63	0	0	1	63
Oth N & C Am.	16	13	1	57	17	70
TOTAL	1179	11402	803	7567	1982	18969
SOUTH AMERICA						
Argentina	3	2780	77	1185	80	3965
Bolivia	0	0	0	0	0	0
Chile	15	199	25	54	40	253
Colombia	12	405	14	506	26	911
Ecuador	0	0	5	10	5	10
Paraguay	0	0	0	0	0	0
Peru	6	262	0	0	6	262
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	169	6357	204	2232	373	8589
OCEANIA						
New Zealand	4	92	2	61	6	153
Oth Oceania	0	0	1	36	1	36
TOTAL	55	248	55	435	110	683

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	48	9	0	0	48	9
Hong Kong	78	147	57	34	135	180
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	13	153	6	216	19	369
Jordan	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	1	10	0	0	1	10
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	1	26	0	0	1	26
Philippines	6	11	4	84	10	95
Qatar	6	9	0	0	6	9
Saudi Arabia	4	608	13	454	17	1062
Sri Lanka	0	0	0	0	0	0
Syria	0	0	1	67	1	67
United Arab Emr	5	13	1	61	6	74
Vietnam	0	0	0	0	0	0
Oth Asia	26	17	0	0	26	17
TOTAL	1474	17333	467	8860	1941	26193
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	30	2070	2	28	32	2099
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	1	4	1	4
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	1	8	1	8	2	17
South Africa	20	111	75	78	95	189
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	1	205	1	205
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	4	85	0	0	4	85
TOTAL	55	2275	80	324	135	2599

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS – Metal Cutting Machine Tools – April 91

RELEASED: July 3, 1991

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	228	18226	68	6628
301050	Electro-discharge machines, n.e.c., NC	74	7508	14	1475
301070	Electro-discharge machines, n.e.c., non-NC	152	1347	15	256
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	542	46538	114	9932
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	37	6156	8	961
100035	Horizontal machining centers, ATC	181	40277	44	9979
100045	Machining centers, n.e.c.	101	45729	23	38293
200010	Unit construction mach. (single station transfer), NC	18	3059	9	2419
200090	Unit construction mach. (single station transfer), non-NC	4	939	3	721
300010	Multi-station transfer machines, NC	3	1768	0	0
300090	Multi-station transfer machines, non-NC	16	5974	7	1236
8458110010	Horizontal lathes, multiple spindle, NC	96	15932	35	5032
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	672	51992	194	12875
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	142	20812	43	6403
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	23	8466	8	1221
190030	Horizontal engine or toolroom lathes, non-NC	1148	10893	216	2197
190050	Automatic bar and/or chucking mach., single spindle, non-NC	151	4423	32	1324
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	10	1582	0	0
190090	Horizontal lathes, n.e.c., non-NC	237	5019	48	672
911060	Vertical turret lathes, multiple spindle, NC	3	550	0	0
911080	Vertical turret lathes, n.e.c., NC	18	3851	12	2720
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	13	2887	2	777
915070	Vertical lathes, excluding VTL's, n.e.c., NC	14	2881	1	76
991050	Vertical turret lathes, non-NC	43	504	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	102	2741	21	342
8459100000	Way-type unit head machines	1	58	0	0
210080	Other drilling machines, NC	126	9322	27	1351
290040	Drilling machines, multiple spindle, non-NC	9	1004	2	31
290050	Drilling machines, radial, non-NC	94	1000	28	308
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	33	148	27	89
290090	Drilling machines, n.e.c., non-NC	158	4661	23	1185
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	6	2924	3	1858
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	42	7204	17	2719
310070	Boring-milling machines, n.e.c., NC	11	1763	1	329
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	23	2344	4	339
400040	Boring machines, vertical, NC	4	326	1	73
400050	Boring machines, vertical, non-NC	19	469	0	0
400070	Boring machines, n.e.c., NC	11	1207	0	0
400080	Boring machines, n.e.c., non-NC	126	2066	21	305
510080	Milling machines, knee type, NC	198	3573	20	1419
590030	Milling machines, knee type, non-NC	680	6239	189	1523
610080	Milling machines, excluding knee type, n.e.c., NC	189	13745	80	2393
690050	Milling machines, profile, dup., or die sinking, non-NC	13	141	4	15
690070	Milling machines, bed type, non-NC	14	445	0	0
690090	Milling machines, n.e.c., non-NC	192	5844	37	4100
700020	Threading or tapping machines, n.e.c., NC	64	4304	15	885
700080	Threading or tapping machines, n.e.c., non-NC	41	1562	26	1011
8460110080	Flat surface grinding machines, NC	50	4645	32	3068
190010	Flat surface grinding mach., recip.-table type, non-NC	163	2742	42	847
190050	Flat surface grinding machines, n.e.c., non-NC	415	5705	74	1970
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	196	32790	55	10668
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	154	3670	23	963
290030	Grinding machines, internal cylindrical, non-NC	88	2287	30	912
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	316	12204	101	4991
310080	Sharpening machines (tool & cutter grinding), NC	49	2084	13	455
390050	Sharpening machines (tool or cutter grinding), non-NC	232	2754	20	264
400060	Honing or lapping machines, NC	14	1428	0	0
400080	Honing or lapping machines, non-NC	58	3338	18	1081
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	26	811	6	49
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	414	13373	95	1558
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	6	37	0	0
200010	Shaping or slotting machines, NC	2	298	1	85
200090	Shaping or slotting machines, non-NC	17	1954	7	572
300060	Broaching machines, NC	3	119	1	23
300080	Broaching machines, non-NC	6	3092	2	2657
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	42	7106	9	1878
401040	Gear shapers	22	2301	2	33
401060	Gear cutting machines, n.e.c.	18	2214	3	27
405050	Gear grinding or finishing for bevel gears	1	49	0	0
405070	Gear grinding or finishing machines, n.e.c.	16	8062	9	4681
500050	Sawing or cutting-off machines, NC	50	6827	2	332
500090	Sawing or cutting-off machines, non-NC	504	8808	153	2879
9000000001	Metal cutting machine tools, n.e.c.	101	5284	25	1786
9800000001	Used or rebuilt machine tools	903	16883	132	3963
9900000001	Machine tools valued at less than $3,025	314935	29666	90122	8251
	Cutting Total			92419	179466
	Y-T-D Cutting Total	324883	561434		
	NC Y-T-D Cutting Total	3219	370859		

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - April 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	1	80
8457100015	0	0	0	0	1	9	0	0	6	887
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	2	503
100045	0	0	0	0	2	20	0	0	13	36991
200010	0	0	0	0	0	0	0	0	1	1761
200090	0	0	0	0	0	0	0	0	2	634
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	300	0	0	0	0
8458110010	0	0	8	1104	0	0	0	0	5	1400
110030	0	0	0	0	0	0	0	0	2	159
110050	0	0	0	0	0	0	2	448	0	0
110090	0	0	0	0	0	0	0	0	1	248
190030	0	0	58	581	0	0	1	11	0	0
190050	0	0	0	0	0	0	0	0	4	646
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	20	145	0	0	0	0	1	6
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	8	983	1	1019
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	2	12	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	355
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	4	52	1	144	0	0	3	312
310010	0	0	0	0	0	0	0	0	2	1783
310040	0	0	0	0	0	0	0	0	5	2413
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	164
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	2	24	14	263	5	18
510080	0	0	0	0	0	0	0	0	2	8
590030	0	0	0	0	0	0	0	0	3	46
610080	0	0	0	0	0	0	1	164	5	574
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	12	820
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	29	2561
190010	0	0	0	0	0	0	0	0	1	264
190050	0	0	0	0	0	0	0	0	5	111
210080	0	0	0	0	1	233	0	0	15	2314
290010	0	0	0	0	6	30	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	11	23	1	5	13	493
310080	0	0	0	0	0	0	0	0	5	103
390050	0	0	0	0	2	6	0	0	1	103
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	2	251
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	4	6	21	22	364
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	1	85
200090	0	0	0	0	4	30	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	8	1836
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	6	3320
500050	0	0	0	0	0	0	0	0	2	332
500090	0	0	0	0	36	355	3	14	23	1183
9000000001	0	0	0	0	5	38	0	0	10	1244
9800000001	0	0	2	24	20	189	1	37	17	1045
9900000001	2	3	0	0	169	39	10	7	70	151
Month Tot	2	3	94	1918	262	1445	47	1952	310	66589
Y-T-D Tot	14	1030	174	3100	782	6063	639	6529	3670	128748
NC YTD Tot	0	0	12	1495	21	547	22	2650	260	88764

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - April 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	56	4955	0	0	0	0	0	0
301050	0	0	11	1167	0	0	0	0	0	0
301070	0	0	3	80	0	0	0	0	0	0
8457100015	0	0	64	6015	0	0	4	261	0	0
100025	0	0	2	428	0	0	0	0	0	0
100035	0	0	38	8674	1	68	0	0	0	0
100045	0	0	1	87	0	0	0	0	0	0
200010	0	0	6	315	2	342	0	0	0	0
200090	0	0	1	87	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	18	2296	2	108	0	0	0	0
110030	0	0	124	10245	12	633	0	0	0	0
110050	0	0	38	5519	1	102	0	0	1	124
110090	0	0	7	973	0	0	0	0	0	0
190030	0	0	0	0	28	270	11	140	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	12	226	0	0	0	0	1	87
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	3	719	0	0	0	0	0	0
915050	0	0	1	409	0	0	0	0	0	0
915070	0	0	1	76	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	4	200	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	24	996	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	77	1	20	0	0	0	0
290070	0	0	3	12	0	0	0	0	0	0
290090	0	0	1	534	0	0	0	0	12	114
310010	0	0	1	75	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	1	329	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	168
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	1	1100	0	0	0	0	0	0
590030	0	0	0	0	0	0	1	24	142	1058
610080	1	347	9	641	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	3	2923	0	0	0	0	6	237
700020	0	0	15	885	0	0	0	0	0	0
700080	0	0	6	832	0	0	0	0	0	0
8460110080	0	0	1	425	0	0	0	0	0	0
190010	0	0	4	296	0	0	22	220	0	0
190050	1	107	0	0	0	0	0	0	2	398
210080	0	0	31	4396	0	0	0	0	0	0
290010	0	0	6	408	0	0	0	0	1	40
290030	0	0	2	164	0	0	0	0	0	0
290050	4	783	32	3529	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	2	13	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	11	763	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	12	284	0	0	0	0	2	258
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	3	542	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	88	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	121	40	869	0	0	0	0	4	44
9000000001	0	0	4	128	0	0	0	0	1	5
9800000001	3	230	19	630	0	0	2	203	1	2
9900000001	10305	753	6317	885	3675	330	108	18	0	0
Month Tot	10319	2683	6934	63755	3726	2073	148	866	174	2535
Y-T-D Tot	16553	11717	21882	257966	8691	6403	436	3346	868	8776
NC YTD Tot	23	4698	1880	213597	54	3570	18	1128	135	1025

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - April 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	11	1665	1	7	0	0	0	0
301050	0	0	3	308	0	0	0	0	0	0
301070	0	0	0	0	9	71	0	0	2	25
8457100015	0	0	0	0	9	712	23	1758	7	291
100025	0	0	0	0	6	533	0	0	0	0
100035	0	0	1	111	1	145	1	478	0	0
100045	1	416	1	382	0	0	2	153	3	244
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	3	568	0	0	0	0	3	368
8458110010	0	0	0	0	2	124	0	0	0	0
110030	0	0	2	283	17	1080	0	0	37	476
110050	0	0	0	0	0	0	1	209	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	40	391	9	144	69	660
190050	0	0	2	284	22	170	4	224	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	6	139	8	68
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	1	368	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	8	27	0	0	7	104
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	2	31	0	0	0	0	0	0
290050	0	0	0	0	12	105	0	0	13	106
290070	24	77	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	1	15	1	15
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	12	306
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	2	7	0	0
400040	0	0	0	0	0	0	0	0	1	73
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	13	130	4	181	0	0
590030	0	0	0	0	39	260	0	0	4	134
610080	0	0	1	108	34	327	1	111	28	121
690050	0	0	0	0	4	15	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	2	46	14	74	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	8	24	0	0	3	119	9	36
8460110080	0	0	1	60	0	0	1	22	0	0
190010	0	0	0	0	15	67	0	0	0	0
190050	3	902	0	0	50	335	1	22	12	95
210080	1	412	4	407	0	0	3	2907	0	0
290010	0	0	4	329	2	18	4	138	0	0
290030	0	0	1	428	0	0	0	0	27	320
290050	0	0	1	2	6	60	32	91	1	5
310080	0	0	7	258	0	0	0	0	1	93
390050	0	0	3	29	0	0	11	83	1	31
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	5	67	0	0
900060	0	0	0	0	0	0	0	0	6	49
900080	0	0	2	193	2	40	23	91	25	303
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	1	23
300080	0	0	0	0	0	0	1	2569	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	1	42
401040	0	0	0	0	0	0	0	0	2	33
401060	0	0	0	0	0	0	2	3	1	25
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	2	1357	0	0	1	4	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	18	119	0	0	27	173
9000000001	0	0	1	324	2	39	0	0	2	7
9800000001	4	39	7	828	11	54	37	499	8	183
9900000001	125	123	6	13	58183	5091	47	88	11105	751
Month Tot	159	2336	75	8036	58520	9994	225	10122	11424	5158
Y-T-D Tot	1115	8013	390	24782	236829	40447	752	31753	32088	22759
NC YTD Tot	8	3253	94	13543	339	12065	125	18232	228	6293

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 91

RELEASED: July 3, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	86	12653	16	1430
8462100030	Headers and upsetters, including cold headers	33	6310	15	2794
100050	Forging or die stamping machines, and hammers, n.e.c.	168	13487	29	3492
210080	Bending, folding, straight. or flat. mach., incl presses, NC	165	14105	41	1873
290030	Press brakes, non-NC	82	2768	20	544
290040	Bending rolls, non-NC	28	863	2	12
290050	Bending, folding, straight., or flat., n.e.c., non-NC	366	9696	59	1520
310080	Shearing machines, NC	8	1033	3	411
390050	Shearing machines, non-NC	131	4571	32	835
410080	Punching or notching mach., incl. comb. punch & shear, NC	49	8003	9	2035
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	127	3494	56	1148
910060	Hydraulic presses, NC	8	5082	1	263
910090	Hydraulic presses, non-NC	470	8242	40	1268
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	5	51088	3	37389
990045	Mechanical presses, n.e.c., non-NC	32	12040	5	10731
990060	Presses, n.e.c., non-NC	122	9259	36	1793
8463100080	Draw benches for bars, tubes, profiles, wire or the like	72	5910	12	1215
200080	Thread rolling machines	26	1001	10	132
300080	Machines for working wire	436	22822	137	7364
900080	Metal forming machine tools, n.e.c.	416	12892	68	3562
9800000002	Used or rebuilt machine tools	1947	11817	103	3633
9900000002	Machine tools valued at less than $3,025	4163	1661	1485	486
	Forming Total			2182	83932
	Y-T-D Forming Total	8940	218796		
	NC Y-T-D Forming Total	230	28223		
	Cutting and Forming Totals:				
	Monthly Total			94601	263398
	Y-T-D Total	333823	780229		
	NC Y-T-D Total	3449	399082		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	185444	0	48760
2000000000	Parts for working rubber or plastics - heading 8477	0	118207	0	32202
2710003070	Quenching or cutting oils	0	118	0	13
8428900010	Industrial robots for lifting, handling, loading or unload	619	9920	167	2697
8431390080	Parts industrial robots, handling and loading - heading 8428	0	33440	0	9264
8456101010	Laser, light or photon beam for working metal, NC	45	9182	13	2321
101020	Laser, light or photon beam for working metal, non-NC	27	4900	6	384
105000	Laser, light or photon beam for other materials	27	3603	8	1433
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	14	99	2	6
205000	Ultrasonic processes for working other materials	26	154	0	0
8477103000	Injection molding mach., for manufacturing shoes	4	413	1	60
106010	Injection molding mach., for rubber or oth. thermosetting	292	33372	54	6584
106050	Injection molding mach., for thermoplastics	743	74102	245	23458
200005	Extruders; rubber or other thermosetting mat., single screw	11	3209	7	1901
200015	Extruders; rubber or thermosetting, other incl. multi. screw	64	7882	7	549
200035	Extruders; thermoplastics, single screw, less than 6.4cm	30	581	16	289
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	33	4363	2	85
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	10	848	5	294
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	47	7092	13	4329
300000	Blow molding machines	75	16401	39	5841
400000	Vacuum-molding and other thermoforming machines	59	4276	14	445
510010	Machines for molding or retreading pneumatic tires	168	8865	37	726
510090	Machines for molding or otherwise forming inner tubes	36	2511	8	1382
590000	Machines for molding or otherwise forming n.e.c.	175	13467	35	1683
800000	Machines for working rubber or plastics n.e.c.	742	62378	211	9918
8479899040	Industrial robots, n.e.c.	1360	49799	345	16263
908040	Industrial robot parts	0	12879	0	3709
8537100030	Numerical controls for controlling machine tools	2610	12006	738	2854
9024100000	Machines and appliances for testing metals	0	4620	0	1632
9031100000	Machines for balancing mechanical parts	0	1209	0	676
300000	Profile projectors	0	2243	0	514
9032810020	Industrial process control instr., hydraulic	47289	1545	10545	757
810060	Industrial process control instr., pneumatic	61227	1933	3977	320

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	5	351	0	0	0	0
8462100030	0	0	0	0	7	12	0	0	0	0
100050	0	0	0	0	2	83	0	0	7	1290
210080	0	0	0	0	2	41	0	0	1	300
290030	1	27	0	0	17	509	0	0	0	0
290040	0	0	0	0	1	6	0	0	0	0
290050	0	0	0	0	6	70	0	0	8	227
310080	0	0	0	0	0	0	0	0	0	0
390050	7	163	0	0	5	166	0	0	0	0
410080	0	0	0	0	0	0	0	0	2	221
490050	0	0	0	0	2	24	0	0	30	285
910060	0	0	0	0	0	0	0	0	1	263
910090	0	0	0	0	6	901	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	2	18629	0	0	0	0	0	0
990045	0	0	0	0	1	74	0	0	0	0
990060	0	0	0	0	18	583	6	116	4	561
8463100080	4	446	0	0	4	526	0	0	4	243
200080	0	0	0	0	0	0	0	0	6	109
300080	3	145	1	51	5	1050	0	0	12	779
900080	0	0	0	0	5	121	18	95	4	2461
9800000002	2	45	0	0	57	429	0	0	3	152
9900000002	0	0	0	0	23	21	10	19	17	13
Month Tot	17	826	3	18680	166	4967	34	231	99	6905
Y-T-D Tot	80	3597	7	19219	742	17761	76	940	663	33227
NC YTD Tot	1	561	0	0	18	2229	2	44	26	7805
C&F Month	19	829	97	20598	428	6411	81	2183	409	73494
C&F Y-T-D	94	4628	181	22319	1524	23824	715	7469	4333	161975
C&F NC YTD	1	561	12	1495	39	2777	24	2694	286	96569

Other Manufacturing Technology

1000000000	0	223	0	119	0	3933	0	1438	0	11552
2000000000	0	105	0	13	0	5247	0	3433	0	11657
2710003070	0	0	0	0	0	5	0	0	0	0
8428900010	0	0	0	0	2	30	0	0	3	148
8431390080	0	0	0	4	0	1841	0	240	0	628
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	6	384
105000	0	0	0	0	1	73	0	0	1	542
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	3	404	6	908	7	1411
106050	0	0	0	0	42	5877	1	27	56	1452
200005	0	0	0	0	0	0	0	0	5	1860
200015	0	0	0	0	0	0	0	0	3	325
200035	0	0	0	0	2	75	0	0	0	0
200045	0	0	0	0	2	85	0	0	0	0
200055	0	0	0	0	0	0	0	0	4	171
200065	0	0	0	0	4	61	0	0	4	635
300000	0	0	0	0	1	56	2	2102	6	949
400000	0	0	0	0	1	3	0	0	1	31
510010	0	0	0	0	13	643	0	0	0	0
510090	0	0	2	32	0	0	0	0	0	0
590000	0	0	0	0	4	39	0	0	4	585
800000	3	51	0	0	16	151	3	534	54	2296
8479899040	0	0	0	0	2	65	0	0	6	759
908040	0	0	0	0	0	13	0	6	0	1081
8537100030	0	0	0	0	1	2	0	0	1	7
9024100000	0	0	0	3	0	47	0	0	0	431
9031100000	0	0	0	0	0	0	0	0	0	2
300000	0	0	0	5	0	0	0	0	0	10
9032810020	100	516	0	0	0	0	0	0	12	14
810060	0	0	0	0	14	3	0	0	32	6

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	10	1062	0	0	0	0	0	0
8462100030	4	957	2	747	0	0	0	0	0	0
100050	0	0	13	896	0	0	0	0	0	0
210080	15	80	17	1302	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	4	23	22	748	0	0	0	0	1	4
310080	0	0	1	358	0	0	0	0	0	0
390050	1	4	13	355	0	0	0	0	0	0
410080	0	0	4	665	0	0	0	0	0	0
490050	17	674	1	47	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	14	5	1	36	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	18760	0	0	0	0	0	0
990045	1	110	2	10538	0	0	0	0	0	0
990060	2	19	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	16	428	86	4018	0	0	0	0	0	0
900080	1	128	6	107	0	0	0	0	0	0
9800000002	2	11	18	2559	2	80	0	0	0	0
9900000002	1	2	119	13	0	0	0	0	31	25
Month Tot	78	2442	316	42213	2	80	0	0	32	29
Y-T-D Tot	345	12645	1520	101513	11	363	1	300	195	1045
NC YTD Tot	20	725	129	12425	0	0	0	0	0	0
C&F Month	10397	5125	7250	105968	3728	2153	148	866	206	2564
C&F Y-T-D	16898	24362	23402	359479	8702	6767	437	3647	1063	9821
C&F NC YTD	43	5423	2009	226021	54	3570	18	1128	135	1025

Other Manufacturing Technology

1000000000	0	1978	0	14766	0	49	0	444	0	195
2000000000	0	661	0	6841	0	52	0	97	0	12
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	149	1913	0	0	0	0	0	0
8431390080	0	71	0	4621	0	0	0	0	0	0
8456101010	0	0	10	1679	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	2	6	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	60	0	0	0	0	0	0	0	0
106010	0	0	25	2732	1	88	0	0	0	0
106050	20	1537	75	10093	1	18	7	57	1	4
200005	0	0	1	35	0	0	0	0	0	0
200015	0	0	4	224	0	0	0	0	0	0
200035	1	109	0	0	1	4	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	1	123	0	0	0	0	0	0	0	0
200065	0	0	4	3557	0	0	0	0	0	0
300000	3	428	10	2021	0	0	0	0	0	0
400000	1	122	1	277	0	0	0	0	0	0
510010	0	0	2	35	0	0	0	0	0	0
510090	5	275	1	1076	0	0	0	0	0	0
590000	1	3	2	52	0	0	0	0	0	0
800000	7	122	42	4532	4	11	11	126	0	0
8479899040	0	0	271	14268	0	0	1	55	0	0
908040	0	74	0	1792	0	0	0	0	0	0
8537100030	1	6	735	2840	0	0	0	0	0	0
9024100000	0	38	0	648	0	0	0	0	0	0
9031100000	0	2	0	635	0	28	0	0	0	0
300000	0	0	0	147	0	0	0	0	0	0
9032810020	0	0	2	43	840	5	0	0	0	0
810060	450	60	109	110	2500	8	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	17	0	0
8462100030	0	0	0	0	0	0	2	1078	0	0
100050	0	0	0	0	0	0	3	50	4	1173
210080	1	89	0	0	0	0	0	0	5	61
290030	0	0	0	0	0	0	2	8	0	0
290040	1	6	0	0	0	0	0	0	0	0
290050	10	203	0	0	0	0	5	140	3	103
310080	2	53	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	5	145	1	3
410080	0	0	1	238	0	0	0	0	2	911
490050	3	53	3	65	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	259	1	15	16	2	0	0	1	50
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	1	9	0	0
990060	0	0	0	0	3	94	2	402	1	17
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	4	23
300080	0	0	1	628	0	0	11	155	2	109
900080	0	0	18	104	4	16	11	125	1	405
9800000002	0	0	1	204	0	0	7	31	11	123
9900000002	2	2	43	42	624	188	20	48	595	112
Month Tot	20	665	68	1296	647	300	70	2208	630	3090
Y-T-D Tot	78	5688	401	7104	2386	2535	1510	6468	925	6390
NC YTD Tot	8	1684	6	350	0	0	1	186	19	2213
C&F Month	179	3001	143	9333	59167	10293	295	12330	12054	8248
C&F Y-T-D	1193	13701	791	31886	239215	42982	2262	38222	33013	29149
C&F NC YTD	16	4937	100	13893	339	12065	126	18418	247	8506

Other Manufacturing Technology

1000000000	0	1850	0	3382	0	1643	0	4192	0	2995
2000000000	0	128	0	1056	0	446	0	730	0	1723
2710003070	0	0	0	0	0	8	0	0	0	0
8428900010	3	162	2	112	0	0	3	129	5	205
8431390080	0	46	0	88	0	31	0	665	0	1029
8456101010	0	0	3	642	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	4	10	2	807
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	5	696	5	171	1	39	1	134
106050	0	0	5	386	4	81	1	7	32	3919
200005	0	0	0	0	0	0	0	0	1	6
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	12	100	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	1	76	0	0	0	0
300000	0	0	0	0	9	67	7	124	1	94
400000	0	0	0	0	0	0	10	11	0	0
510010	0	0	0	0	0	0	5	36	17	12
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	1	496	3	55	2	155	18	299
800000	0	0	6	323	11	359	15	521	39	882
8479899040	5	221	2	577	0	0	5	65	53	251
908040	0	97	0	62	0	0	0	135	0	448
8537100030	0	0	0	0	0	0	0	0	0	0
9024100000	0	214	0	13	0	0	0	206	0	33
9031100000	0	0	0	4	0	0	0	5	0	0
300000	0	0	0	3	0	0	0	349	0	0
9032810020	11	12	180	12	0	0	0	0	9400	154
810060	843	124	0	0	0	0	29	9	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	170	568	2	29	172	596
Bulgaria	1	16	0	0	1	16
Czechoslovakia	9	164	2	56	11	220
Denmark	30	272	5	244	35	517
Finland	22	133	50	1061	72	1195
Hungary	4	139	0	0	4	139
Ireland	18	6	0	0	18	6
Luxembourg	2	37	0	0	2	37
Netherlands	12	351	15	427	27	778
Norway	1	26	0	0	1	26
Poland	23	483	0	0	23	483
Portugal	10	82	0	0	10	82
Romania	1	73	0	0	1	73
USSR	1	12	1	17	2	30
Yugoslavia	44	528	2	1160	46	1688
Oth Europe	1	2	0	0	1	2
TOTAL	11660	97148	495	17597	12155	114745
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	0	0	3	6	3	6
Oth N & C Am.	0	0	1	1	1	1
TOTAL	262	1445	170	4974	432	6419
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	94	1918	3	18680	97	20598
OCEANIA						
Australia	4	123	0	0	4	123
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	4	123	0	0	4	123

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	10295	1325	541	63	10836	1388
Hong Kong	752	65	8	25	760	90
India	9	198	0	0	9	198
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	4	246	0	0	4	246
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	7	291	0	0	7	291
Oth Asia	0	0	0	0	0	0
TOTAL	80395	78814	1514	42681	81909	121495
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	4	18	0	0	4	18
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	4	18	0	0	4	18

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.